

Dynamic Routing Functions:
Terminates AAL2 and routes based on CID
Terminates AAL5 and routes based on VC

FIGURE 2

UMTS WIRELESS NETWORK

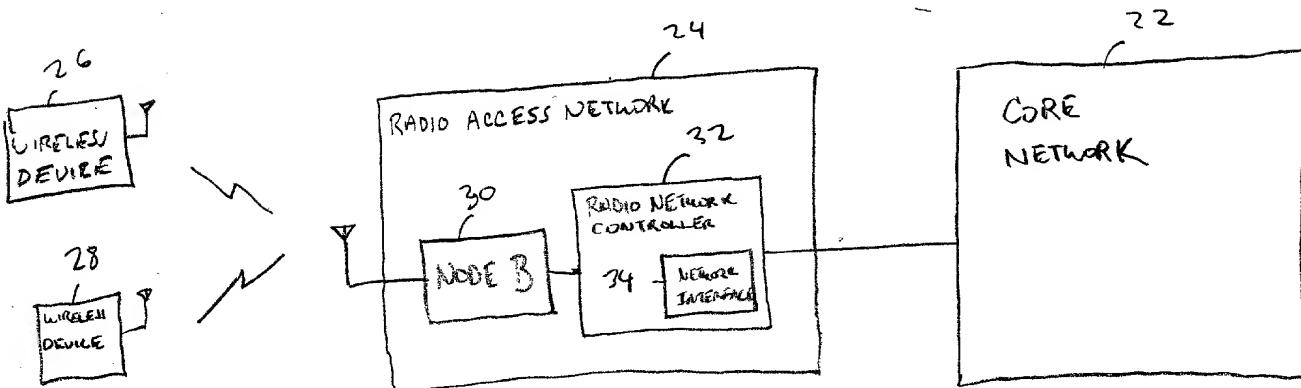
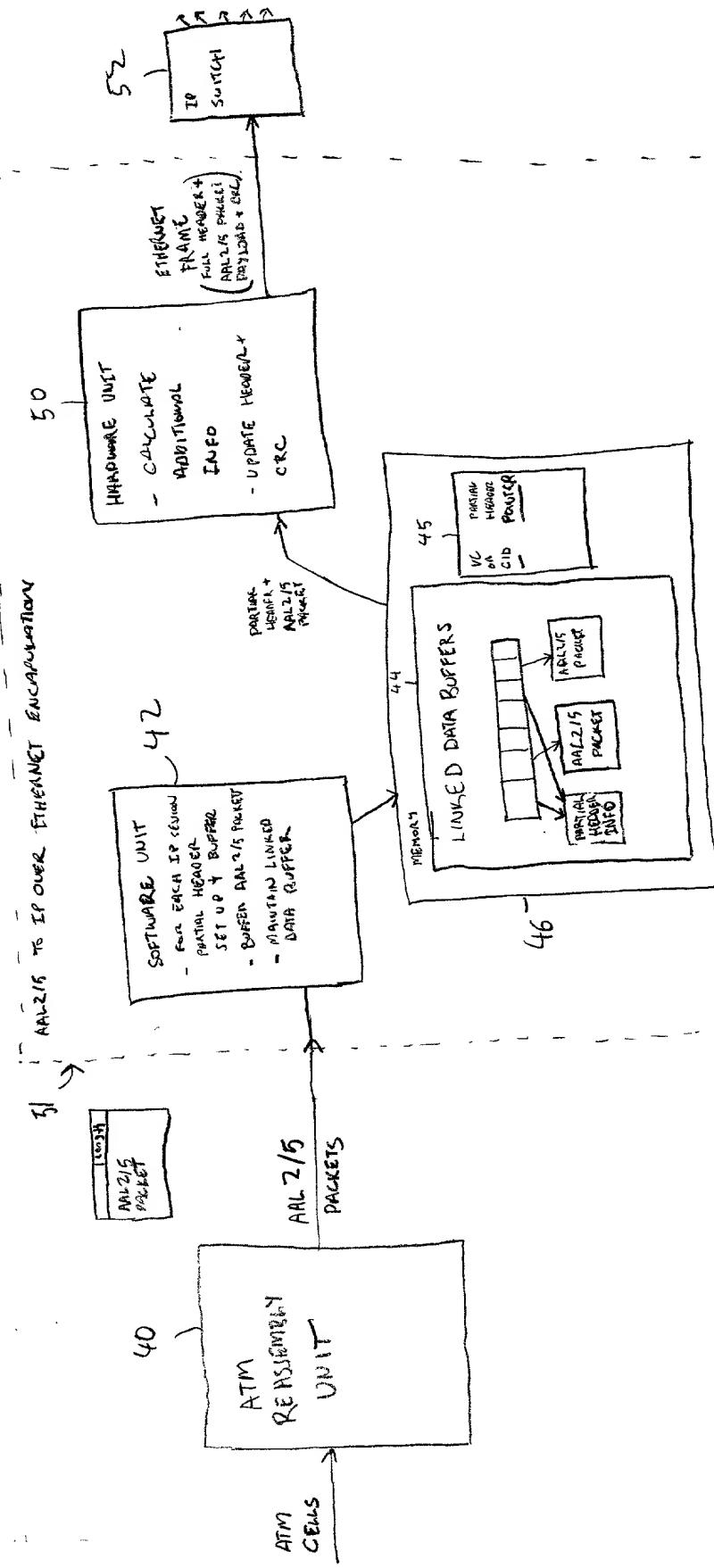


FIGURE 1

FIGURE 3



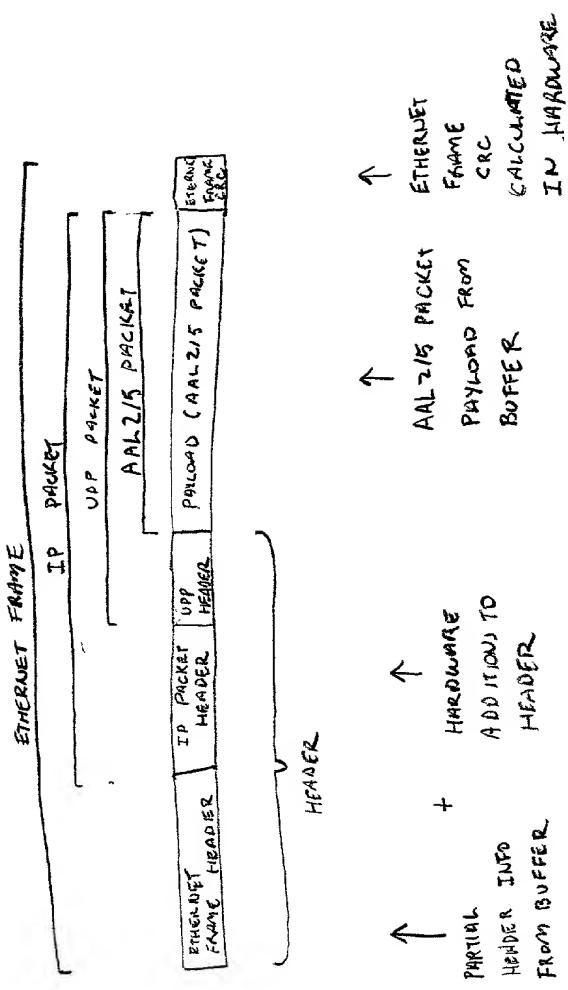


FIGURE 4

ETHERNET
FRAME
HEADER
PORTION

IP
HEADER
PORTION

UDP
HEADER
PORTION

unused	Destination MAC address			
Destination MAC address				
Source MAC address				
Source MAC address		Ethernet Type (in HW)		
Version	Type of Service	Total Length (in HW)		
Identification		Flags		
Time to Live	Protocol ID	Fragmentation		
Source IP address				
Destination IP address				
UDP Source Port		UDP Destination Port		
UDP Message Length (in HW)		UDP Checksum (in HW)		

FIGURE 5

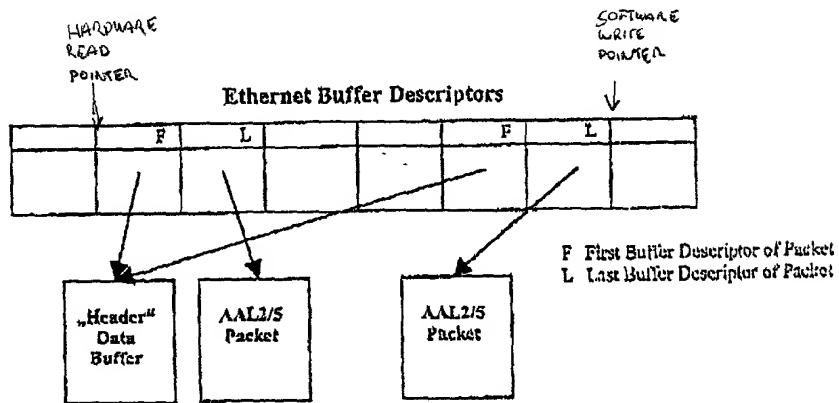


FIGURE 6

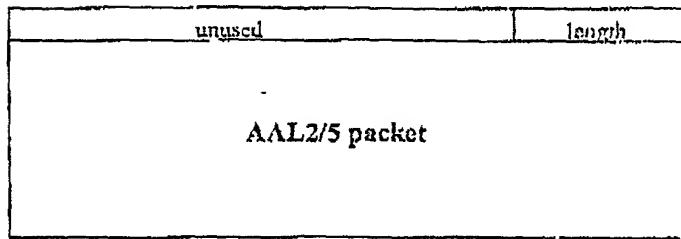


FIGURE 7

PROTOTYPING

HARDWARE UNIT

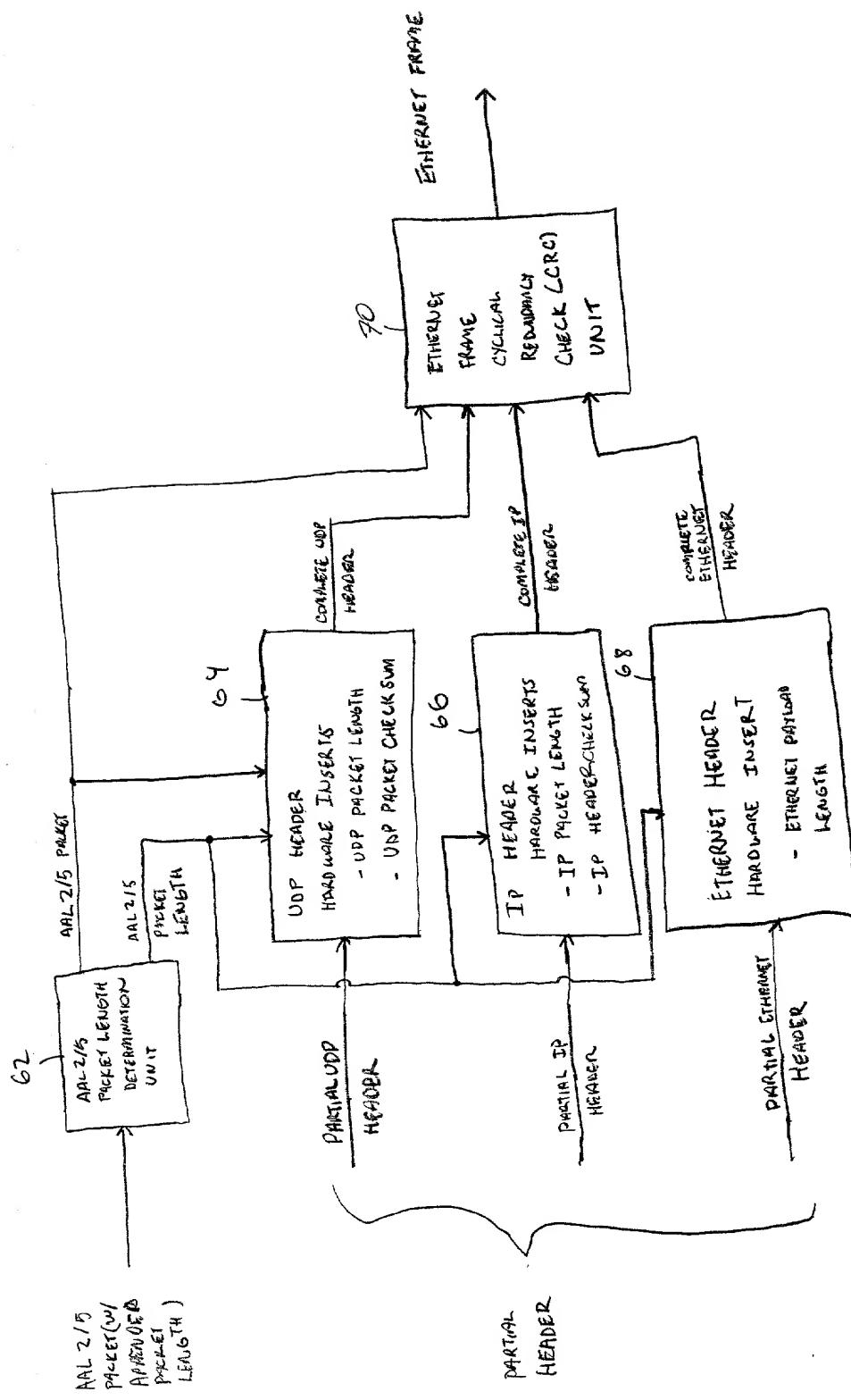


FIGURE 8

HARDWARE UNIT

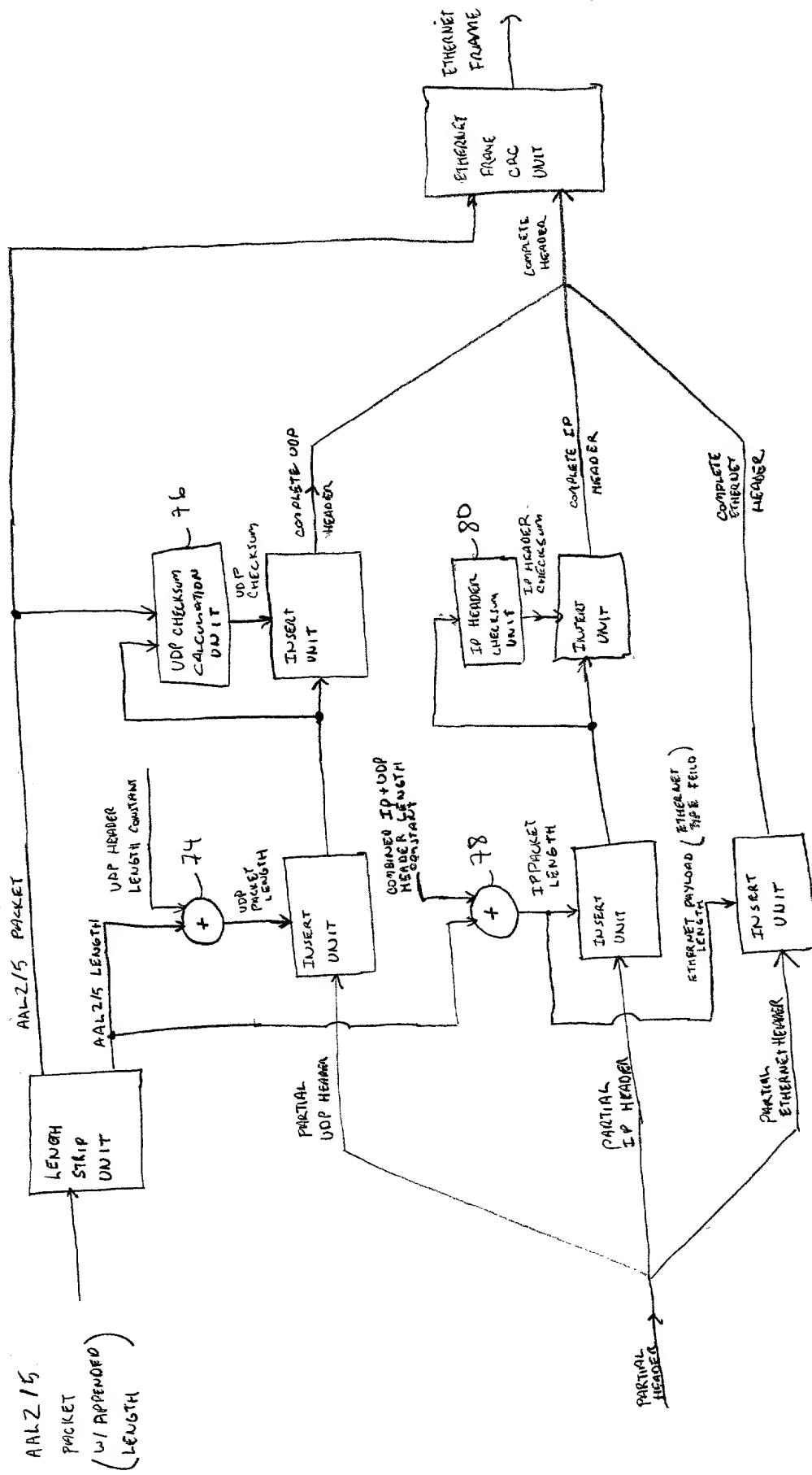


FIGURE 9